AIRFIELD OPERATIONS UMODD02

Objective

- Know the roles and responsibilities of the different areas involved in the departure/arrival airfield operations process.

References

DOD 4500.0-R, DTR, Part III, *Mobility*

FM 55-9, *Unit Air Movement Planning*

FM 3-35.4, *Deployment Fort-to-Port*

FORSCOM/ARNG Reg 55-1, *Unit Movement Planning*

Overview

- Facilitating Agencies
- APOE Operations
    - Marshaling Area
    - Alert Holding Area
    - Call Forward Area
    - Ready Line / Loading
  - Ramp Area
- APOD Operations

FACILITATING AGENCIES

PRES/SEC DEF	USTRANSCOM
AMC	CRE
UMC	A/DACG

Aerial Movement

- Most units will ship their equipment & supplies via ocean vessels to SPOD & airlift unit personnel to an APOD

- Selected units (airborne, light forces) plan for deploying both equipment & personnel by airlift.

Deployment Authority

- The decision to deploy military forces originates with the PRES/SEC DEF

- The CJCS issues the deployment order

- Deployment order addressed to appropriate Unified Commands and the Services

USTRANSCOM

- USTRANSCOM provides global land, sea & air transport to deploy and sustain forces

HQ USTRANSCOM
Scott AFB, IL

Air Mobility Command (AMC)

- AMC is USTRANSCOM component command that provides strategic airlift

  AMC uses organic and commercial airlift assets

  AMC's Contingency Response Element (CRE) coordinates loading & off-loading operations at aerial ports

Contingency Response Element (CRE)

- Provisional, deployed Air Mobility Command (AMC) element established at fixed, en route and deployed locations where AMC operational support is non-existent or insufficient

- Composed of mission support elements from various units (task organized)

Ref: FM 3-35.4, p.4-12

Contingency Response Element (CRE) cont

- Responsibilities
  - Act as primary USAF POC at airfield
  - Provides technical assistance
  - Obtains/relays airflow information
  - Control aircraft
  - Conducts JI with DACG
  - Validates load plans/pax manifests
  - Provides MHE/CHE when required
  - Controls and supervises load teams
  - Provides continuing onsite management of airfield operations including weather information, C3I, security and maintenance

Deploying Unit Movement Instructions

- Deploying unit's higher headquarters issues movement orders/instructions based on CJCS & MACOM deployment orders/directives:
- Guidance may include:
  - Date/times for movement from HS to APOE
  - Equipment to deploy
  - Special logistical & soldier support instructions

UMC - Air Movement Responsibilities

- UMC

  Primary installation POC for airlift operations and coordinating airlift requests

  Maintains coordination with deploying unit, Army MACOM or ASCC, & AMC POC for aircraft departure times and mission changes

  Coordinates (along with ITO) installation support for movement to and activities at APOE

Arrival/Departure Airfield Control Group A/DACG

- Mission is to coordinate and control the outloading and reception of units during deployment/redeployment
- Normally an ad hoc organization provided by a supporting installation
- Size and capabilities are mission dependent
- Task organized, consisting of non-deploying personnel and equipment
- Cargo Transfer Companies are best suited to perform this mission
- Installation providing A/DACG pre-designated by FORSCOM

Ref: FM 3-35.4, p.4-12 and L-1

A/DACG Assignments   Ref: FORSCOM/ARNG Reg 55-1 pg. 72

Installation Peacetime	APOE Peacetime	APOE Mobilization	Installation Peacetime	APOE Mobilization
Fort Benning	Lawson AAF	Lawson AAF	Fort McCoy	
Volk Field	Volk Field			
Fort Bliss	Biggs AAF	Biggs AAF	Mitchell Field	
Mitchell Field				
Fort Belvoir	Andrews AFB	Andrews AFB	Fort McPherson	
Dobbins AFB	Dobbins AFB			
Fort Bragg	Pope AFB	Pope AFB	Hartsfield-Jackson	
Hartsfield-Jackson				
Fort Buchanan	Roosevelt	Roosevelt	Intl	
Intl				
	Rds NAS	Rds NAS	Fort Meade	Dover AFB
Dover AFB				
Fort Campbell	Campbell AAF	Campbell AAF	Fort Polk	
Alexandria Intl	Alexandria Intl			
Fort Carson	Peterson AFB	Peterson AFB	Fort Riley	
Forbes Field	Forbes Field			
Fort Dix	McGuire AFB	McGuire AFB	Fort Rucker	
Eglin AFB/	Eglin AFB/			
Fort Drum	Wheeler-Sack AAF	Wheeler-Sack AAF	Hurlburt Field	
Hurlburt Field				
Fort Eustis	Langley AFB	Langley AFB	Fort Sam Houston	
Lackland AFB	Lackland AFB			
Fort Hood	Robert Gray AAF	Robert Gray AAF	Fort Sill	Altus AFB	Altus AFB
Fort Huachuca	Davis-Montham	Davis-Montham	Lawton/Ft Sill	
Lawton/Ft Sill				
	AFB	FB	Regional	Regional

Arrival/Departure Airfield Control Group A/DACG (cont)

- Responsibilities

  Control flow of troops/cargo at airfield

  Act as unit's primary POC at airfield

  Coordinate log support at airfield

  Pre-inspect acft loads and documentation
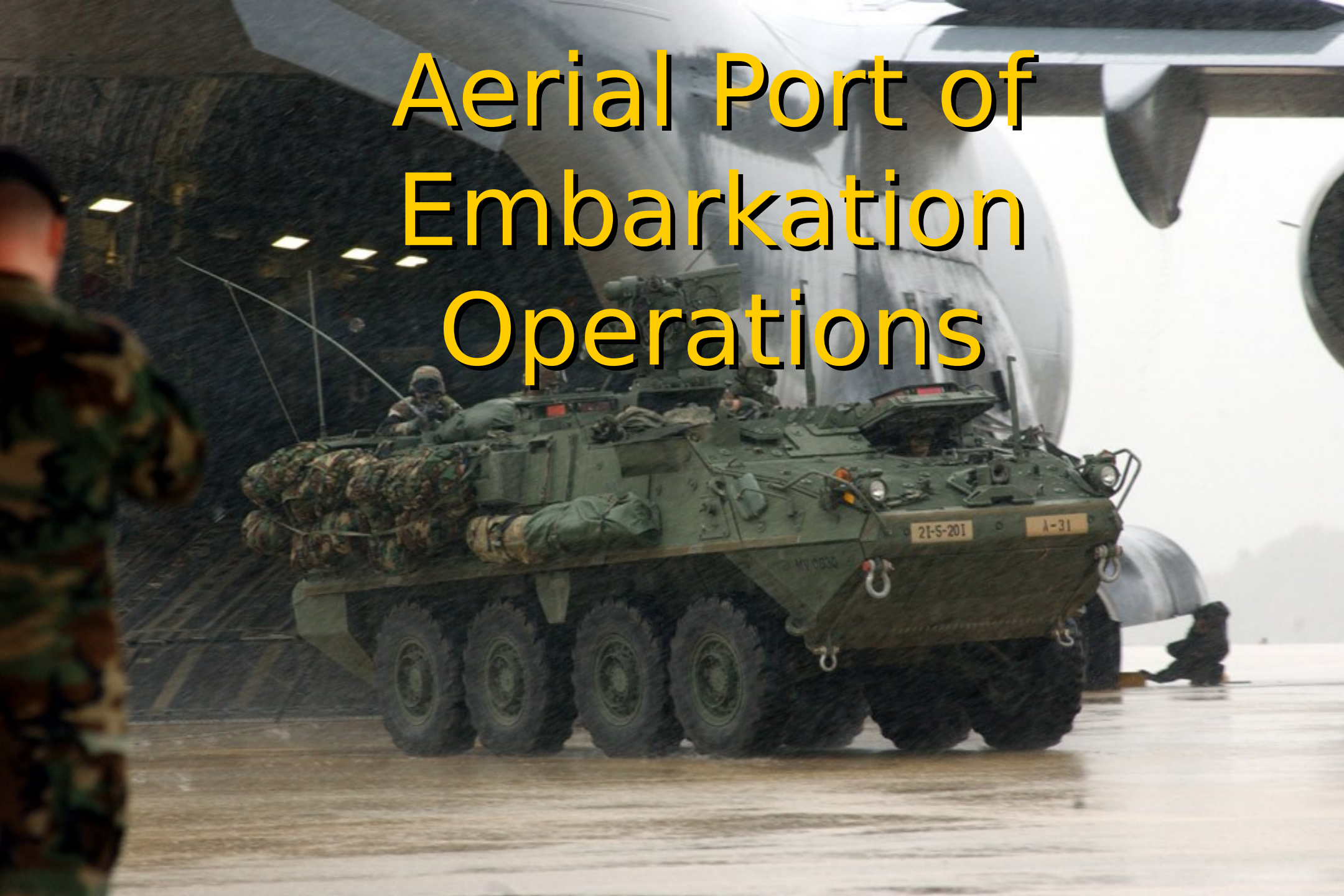
  Conduct Joint Inspection w/Air Force rep

  Coordinate and control acft load teams
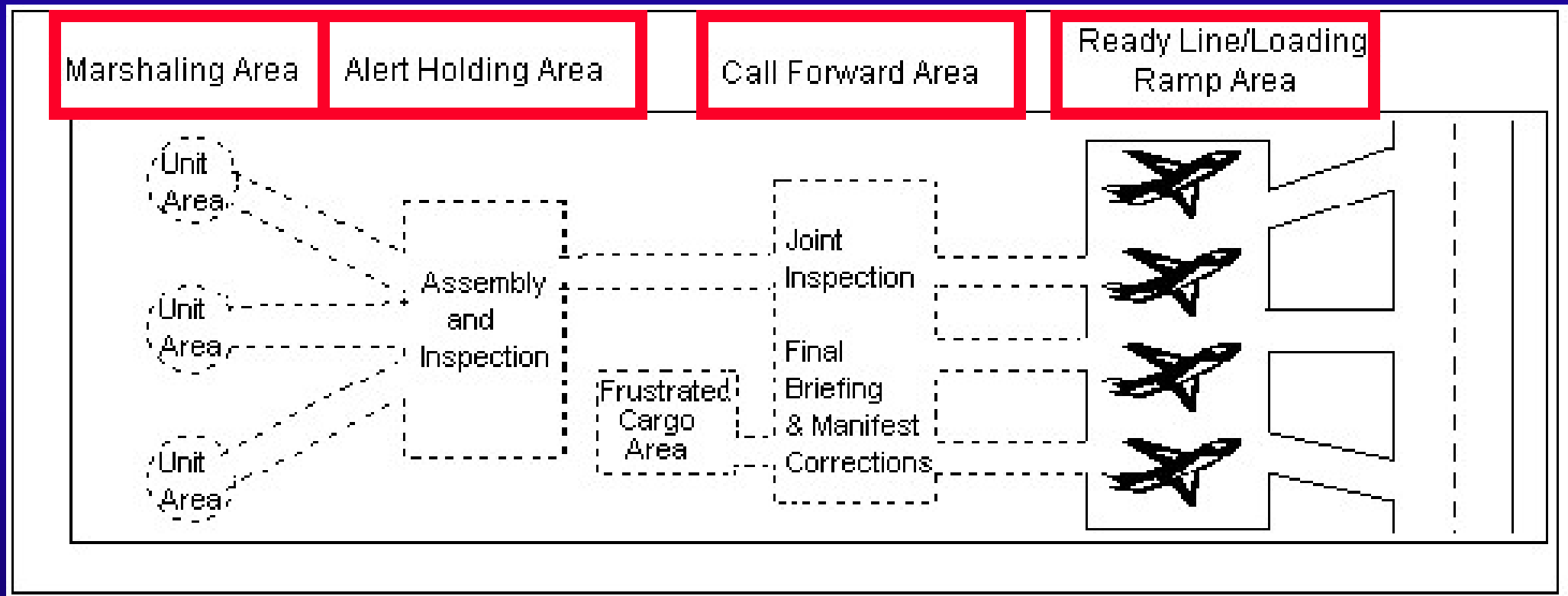
  Coordinate and control MHE/CHE, as req'd

  Compile and report statistical data

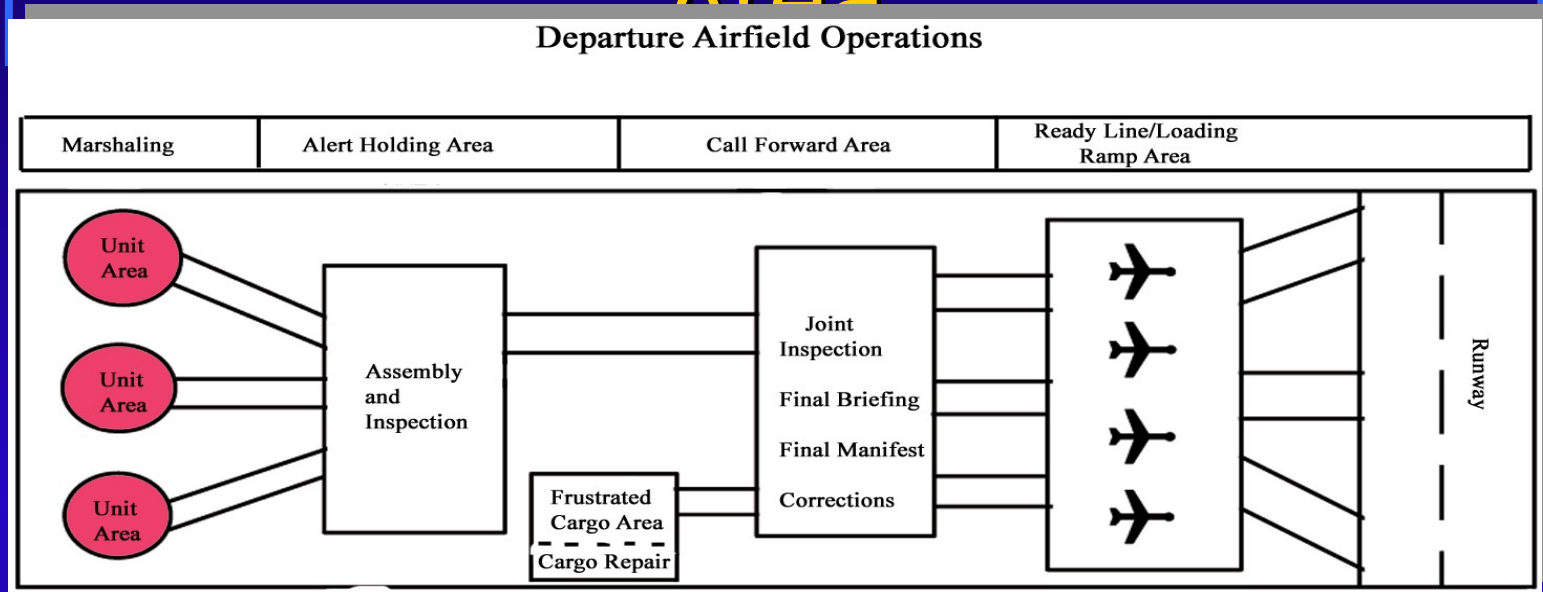Aerial Port of Embarkation Operations

Notional APOE

- Aerial Port of Embarkation consists of four functional areas

| Marshaling Area | Alert Holding Area | Call Forward Area | Ready Line/Loading Ramp Area |

Ref: FM 3-35.4, p.4-11

Notional APOE Marshaling Area

Departure Airfield Operations

| Marshaling | Alert Holding Area | Call Forward Area | Ready Line/Loading Ramp Area |

- Select equipment and supplies
- Documentation of Cargo and Personnel
- Initial Assembly
- Personnel Readiness
- Identify Troop Commander and Cargo Custodia

Marshaling Area

- **<u>Marshaling area</u>**
  - Located at or in the vicinity of the airfield
  - Location should not cause unnecessary congestion at the airfield or undue hardship to the deploying unit
  - Deploying unit area of responsibility
  - Used for final preparations for air movement
  - DOD 4500.9R - Part III Mobility details requirements and procedures for marshaling of cargo
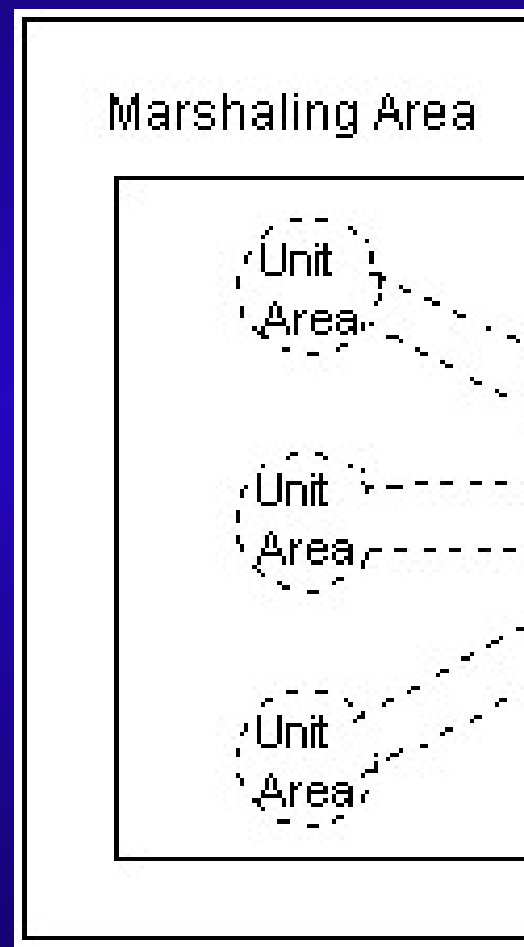
Marshaling Area

Unit Area

Unit Area

Unit Area

Marshaling Area Responsibilities

- **Deploying units responsibilities** include:
  - Establish liaison with DACG
  - Perform preparation of vehicles & equipment (including HAZMAT and customs documentation)
  - Prepare passenger & cargo manifests
  - Assemble personnel, vehicles, supplies & equipment into plane loads (chalks)
  - Ensure planeload/troop commanders appointed, briefed & escorts assigned (if required)

Ref: FM 3-35.4, p.4-13

Troop Commander

- One per aircraft, normally the senior ranking individual

Duties:

- Attend pre-flight passenger briefing
- Check all passengers for unauthorized material which could present a flight hazard (eg ammunition, fuel, etc) - recommended than an amnesty box be established in Marshaling or Alert Holding Areas
- Assume control of all passengers listed for movement on the flight and make sure all are informed of formations, expected departure and reporting
- Be readily available to the DACG at all times

Troop Commander (cont)

Duties (cont):

Perform a roll call prior to loading - report no-shows to DACG so manifest can be corrected

Ensure personnel have placed their baggage on the proper vehicle or 463L pallet for movement to the aircraft

Supervise passenger loading under the guidance of the Loadmaster (each each individual appearing on the manifest boards the aircraft)

Brief passengers to secure belongings

If passenger removed from flight, ensure the passenger's baggage is also removed

Collect all weapons, magazines (if not empty) and unsecured/non-palletized ammunition before the anti-hijack briefing - brief the loadmaster on details of all ammunition carried

Troop Commander (cont)

Duties (cont):

- Conduct anti-hijack inspection of all assigned troops - certify completion of inspection on Block 6 of DD Form 2131 (Passenger Manifest)
- Maintain in-flight discipline of all passengers
- Control the issue of in-flight rations to troops
- Help maintain cleanliness and safety in the aircraft
- Coordinate en-route station requirements (including scheduled offload of passengers and another anti-hijack inspection)
- Brief passengers regarding local restrictions for en-route stops
- Coordinate billeting and food for en-route stops for unit personnel
- Designate guards for personnel effects and equipment left

Troop Commander (cont)

Duties (cont):

- Ensure awareness and composition and location of any hazardous material on aircraft

- At destination maintain control of passengers and arrange assistance for offloading baggage and/or cargo as required

- Maintain and complete Planeload/Troop Commander's itinerary (details number of passengers, when, where and for how long the aircraft stopped enroute and details of any delays)

Cargo Custodian

Two per aircraft (identified as such as passenger manifest)
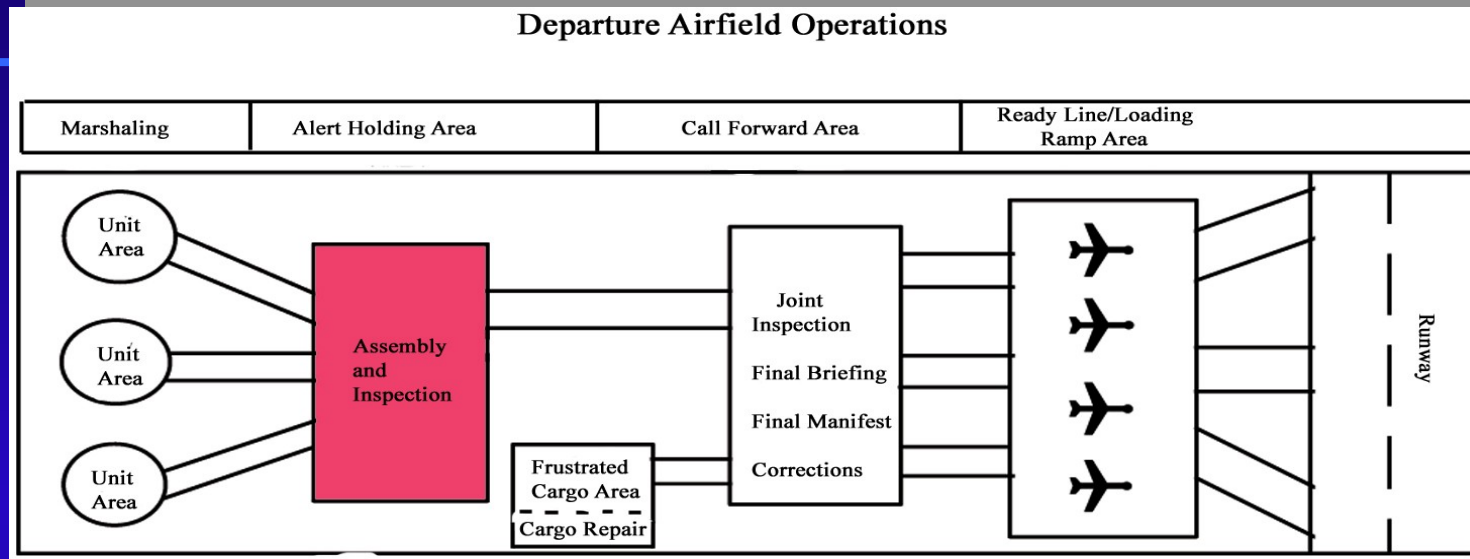Duties:
- Before departure obtain copies of cargo manifest
- Familiarize themselves with properties of any hazardous material abroad the aircraft
- Be prepared to assist the flight crew in cargo related emergencies
- Know the priority of the cargo on board in case of the event of an en route offload (one custodian will remain with the cargo if any portion is off-loaded at an en route base - the other will remain with the aircraft)
- Make necessary arrangements to protect the cargo once the aircraft has landed - hand over cargo manifest to

Marshaling Area Responsibilities (Cont)

- DACG responsibilities include:

  - Establish liaison with unit & CRE

  - Coordinate with CRE for USAF technical assistance for deploying unit

  - Call unit chalks forward to Alert Holding Area

Ref: FM 3-35.4, p.4-13

Notional APOE Alert Holding Area

Departure Airfield Operations

Marshaling	Alert Holding Area	Call Forward Area	Ready Line/Loading Ramp Area

Unit Area
Unit Area
Unit Area

Assembly and Inspection

Frustrated Cargo Area
Cargo Repair

Joint Inspection
Final Briefing
Final Manifest
Corrections

Runway

- Control Transferred (Unit to DACG)

- Final Preparation (including cargo and personnel documentation) and assembly of personnel, cargo and equipment into chalks (loads)

Alert Holding Area

- Alert Holding Area

  DACG area of responsibility

  - Equipment, vehicle and passenger control area

  Equipment & documentation is pre-inspected

Alert Holding Area

Assembly and Inspection
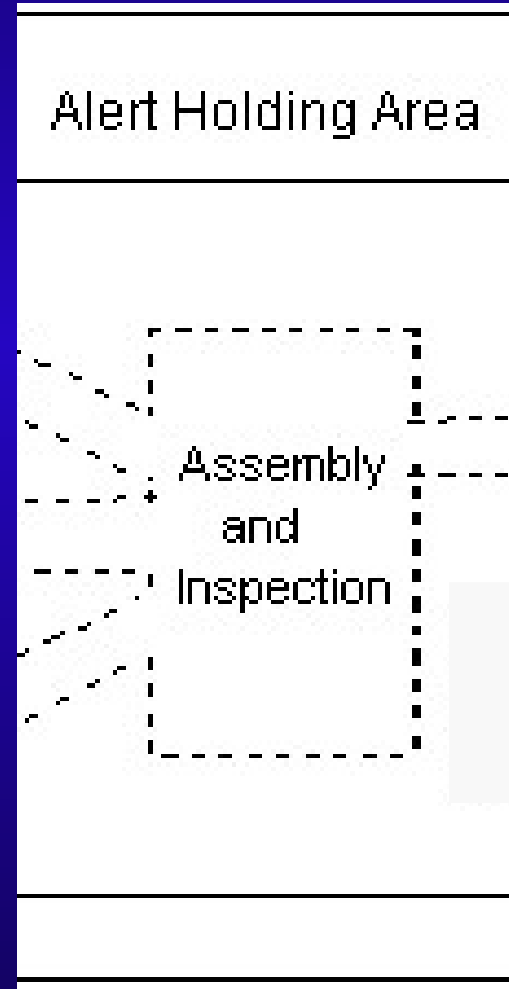
Alert Holding Area Responsibilities

- Deploying units responsibilities include:
  - Ensure chalks arrive in Alert Holding Area when scheduled
  - Completes final preparation and assembly or personnel, cargo and equipment into individual chalks
  - Provide DACG with passenger/cargo manifests, load plans and other required documentation
  - Correct any unit chalk discrepancies identified during pre-inspection then pass control of unit chalks to the DACG
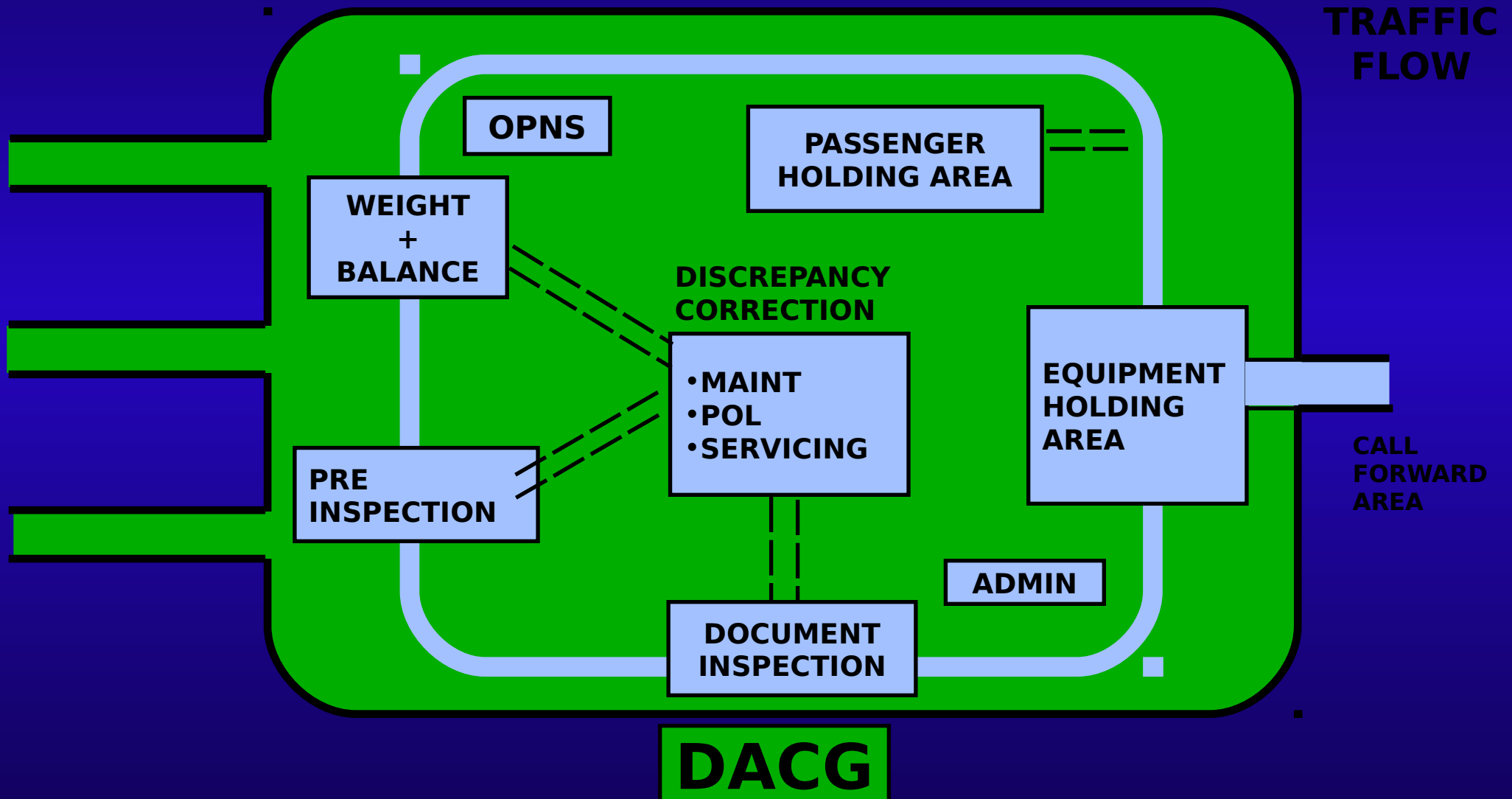
Ref: FM 3-35.4, p.4-13/14

Alert Holding Area Responsibilities (Cont)

- DACG responsibilities include:
  - Ensure the unit loads arrive at the Alert Holding Area on time
  - Receives, inventories and controls aircraft loads as they arrive in the Alert Holding Area
  - Inspect chalks for completeness and correct preparation
  - Inspect documentation for accuracy & completeness
  - Inspect HAZMAT for proper loading and documentation
  - Verify accuracy of weight & center of balance
  - Establish a discrepancy correction area
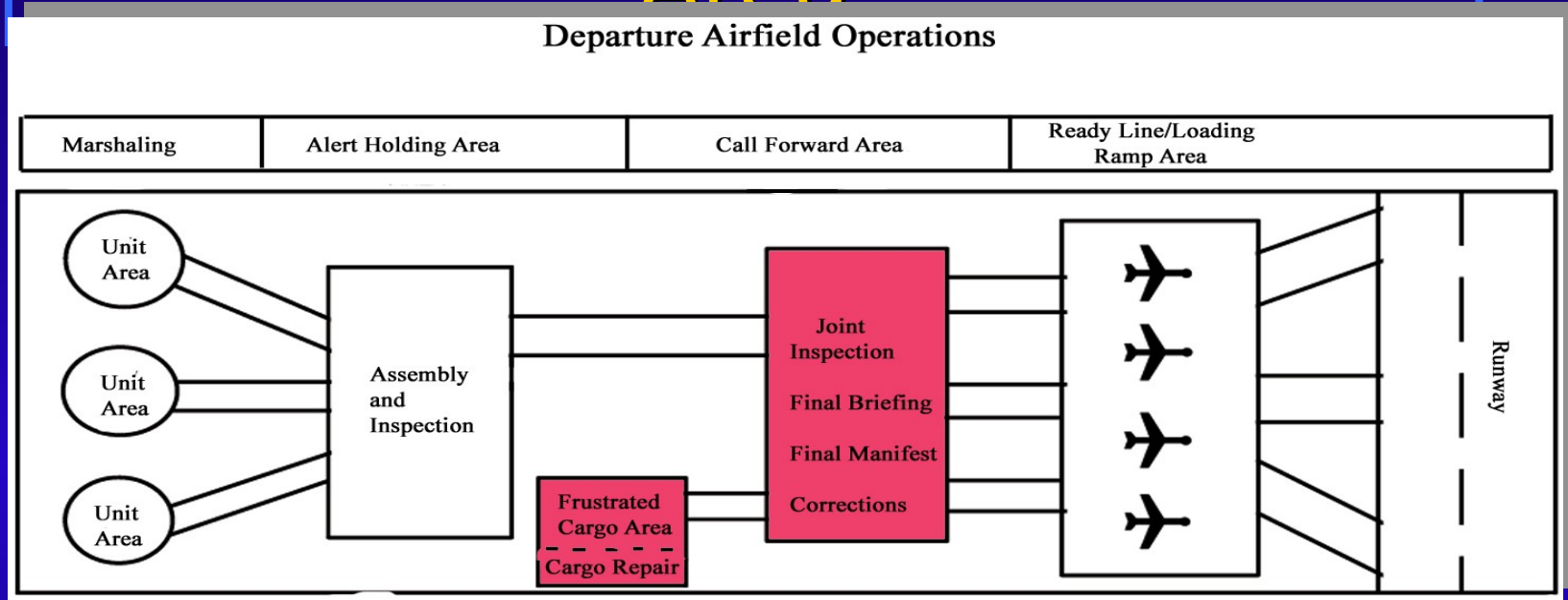
Ref: FM 3-35.4, p.4-14

Alert Holding Area Responsibilities (Cont)

- DACG responsibilities include: (Cont)
  - Provide limited maintenance, POL & related services, as required to complete the out-loading mission
  - Coordinate MHE support as needed
  - Direct chalks to the Joint Inspection area (Call Forward Area)

Ref: FM 3-35.4, p.4-14

ALERT HOLDING AREA

TRAFFIC FLOW

OPNS

PASSENGER HOLDING AREA

WEIGHT + BALANCE

DISCREPANCY CORRECTION

- MAINT
- POL
- SERVICING

EQUIPMENT HOLDING AREA

CALL FORWARD AREA

PRE INSPECTION

ADMIN

DOCUMENT INSPECTION

DACG

Notional APOE Call Forward Area

Departure Airfield Operations

Marshaling	Alert Holding Area	Call Forward Area	Ready Line/Loading Ramp Area

Unit Area — Unit Area — Unit Area → Assembly and Inspection → Frustrated Cargo Area / Cargo Repair → Joint Inspection / Final Briefing / Final Manifest / Corrections → Runway

- Where Joint Inspection (DD Form 2133) between the deploying unit, the DACG and the CRE is conducted and discrepancies corrected
- Frustrated Cargo Area

Ref: FM 3-35.4, p.4-14

Call Forward Area

- Call Forward Area
  - Dual area of responsibility between DACG & CRE
  - Used for Joint Inspection of deploying equipment & documentation

Call Forward Area

Joint Inspection

Final Briefing & Manifest Corrections

Frustrated Cargo Area
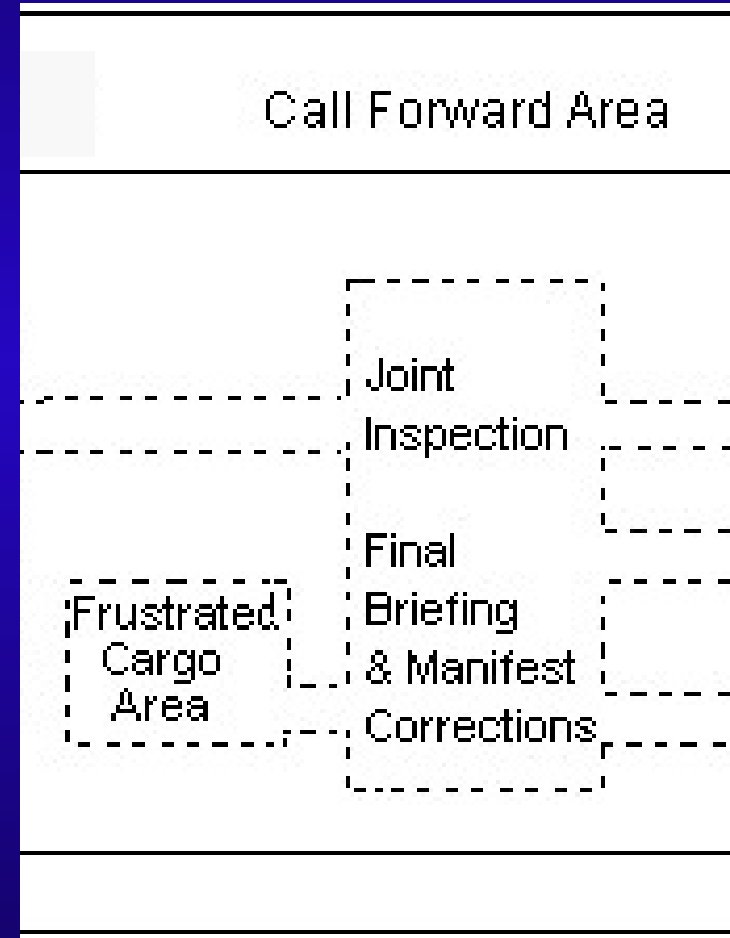
Call Forward Area

- Joint Inspection
  - Final check to ensure all cargo and equipment is properly prepared and documented for safe and efficient air shipment
  - Improperly prepared equipment will be sent to the Frustrated Cargo Area and will not be released for airlift until all discrepancies are corrected by the deploying unit
  - Any cargo sent to the Frustrated Cargo Area will have to be re-inspected before being accepted for further movement
  - Incomplete chalks will not be accepted for Joint Inspection (JI)

Call Forward Area

Timelines

- Cargo and equipment loads will be available for JI six (6) hours prior to aircraft departure

- Personnel will be available for passenger briefings and manifest checks three (3) hours prior to aircraft departure

Call Forward Area Responsibilities

- **DACG responsibilities**:
  - Maintain communications with unit & CRE
  - Ensure unit passenger/cargo manifests are correct (final changes made)
  - Provides passenger holding area, if necessary
  - Ensure deploying unit adheres to the established movement time-tables
  - In coordination with deploying unit, ensure all discrepancies identified during joint inspection with CRE are corrected
  - Maintain final corrected copy of each passenger/cargo manifest and inspection record

Call Forward Area Responsibilities (Cont)

- **DACG responsibilities:** (Cont)
  - Provide load team personnel & support equipment (MHE, pusher vehicle)
  - Ensure load team members are properly outfitted with safety equipment
  - Escort unit chalks to ready line & ensure all unit personnel are briefed on flight line safety procedures and requirements
  - Provide limited logistics support (fueling/ defueling, maintenance) for deploying units

Pusher Vehicle

Any type of vehicle modified with a front mounted pintle hook

Allows the driver to have a direct view of the trailer as it is moved onto the aircraft.

**Quicker and safer than having the driver back the trailer onto the aircraft**

Call Forward Area Responsibilities (Cont)

- **CRE responsibilities** include:
  - Coordinate with DACG on any changes due to aircraft configuration or availability
  - Provide airflow information to the DACG
  - Conduct joint inspection with unit & DACG
  - Provide final passenger/driver briefing for on/offload procedures and for flight line safety
  - Provide team chief for each aircraft load team
  - Notify DACG when to dispatch unit chalks to the loading ramp/ready line area

Notional Ready Line/Loading Ramp Area

Departure Airfield Operations

| Marshaling | Alert Holding Area | Call Forward Area | Ready Line/Loading Ramp Area |
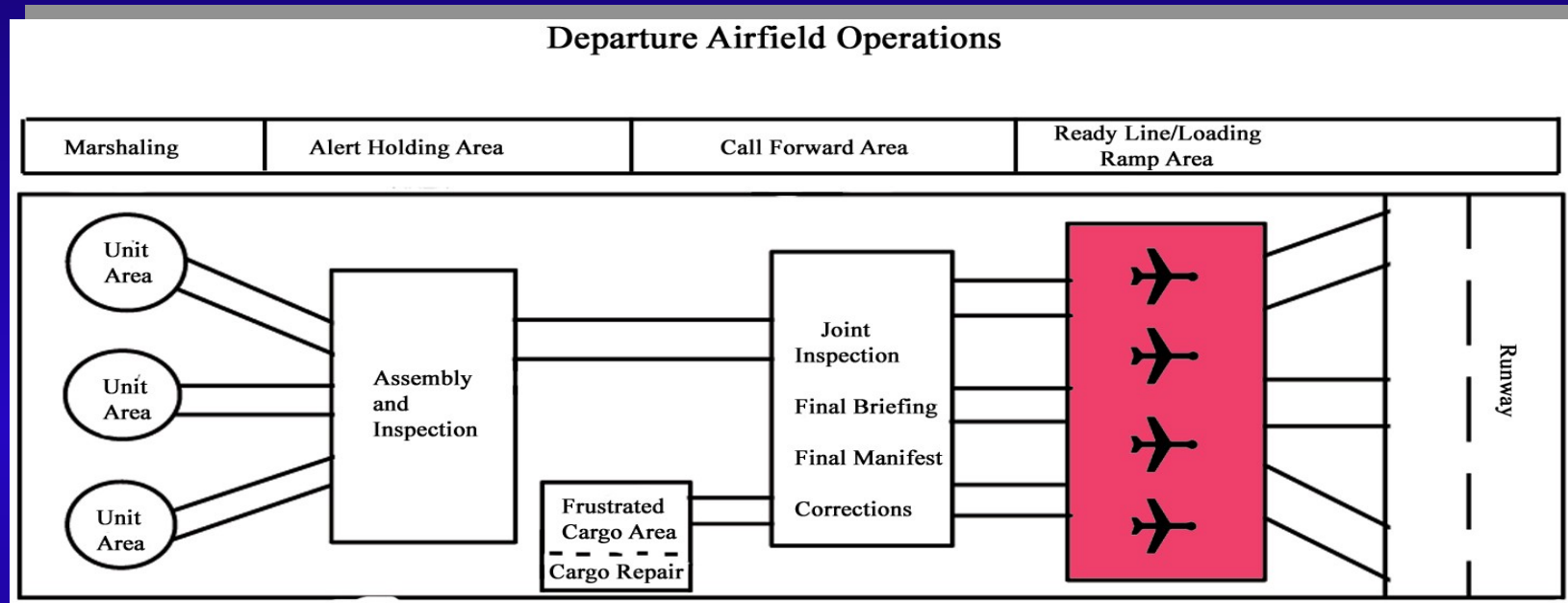
- Control of units transferred from DACG to CRE (AMC)
- Cargo isolated in separate holding area - no additions or deletions after Joint Inspection (if changed another JI required
- Cargo and Personnel Loading
- Ramp Operations

Notional APOE -- Ready Line/Loading Ramp

- Ready Line/ Loading Ramp Area
  - CRE area of responsibility
  - CRE controls all passengers/cargo & stages chalks for aircraft loading

Ready Line/Loading Ramp Area
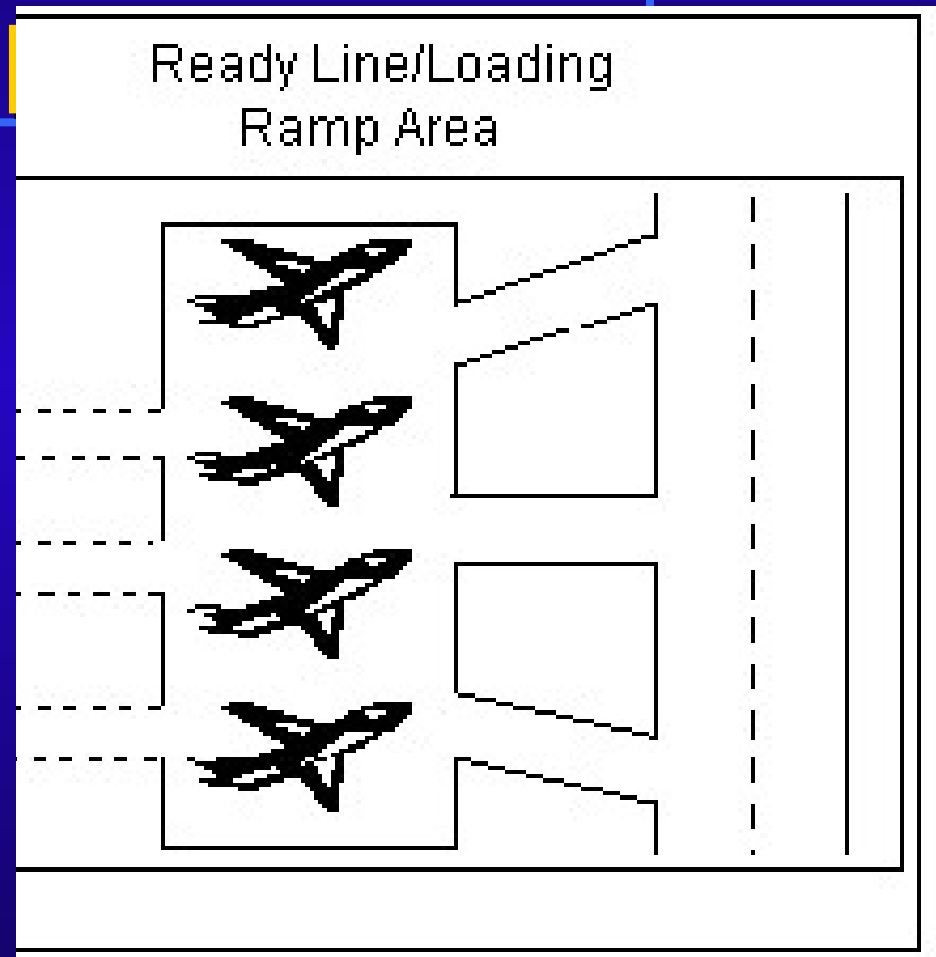
Ready Line / Loading Ramp Responsibilities

- Planeload or Troop Commander responsibilities
  - Controls aircraft passengers
  - Retains copy of final passenger/cargo manifest
  - Provide unit assistance, as required, to assist load master in securing vehicles
  - Ensures vehicle drivers follow loadmaster instructions for loading equipment

Ready Line / Loading Ramp Responsibilities (Cont)

- DACG responsibilities

  - Transfers control of chalks to the CRE
  - Provides load teams to assist in loading and securing aircraft loads

  - Maintains coordination with the deploying unit representative and the CRE
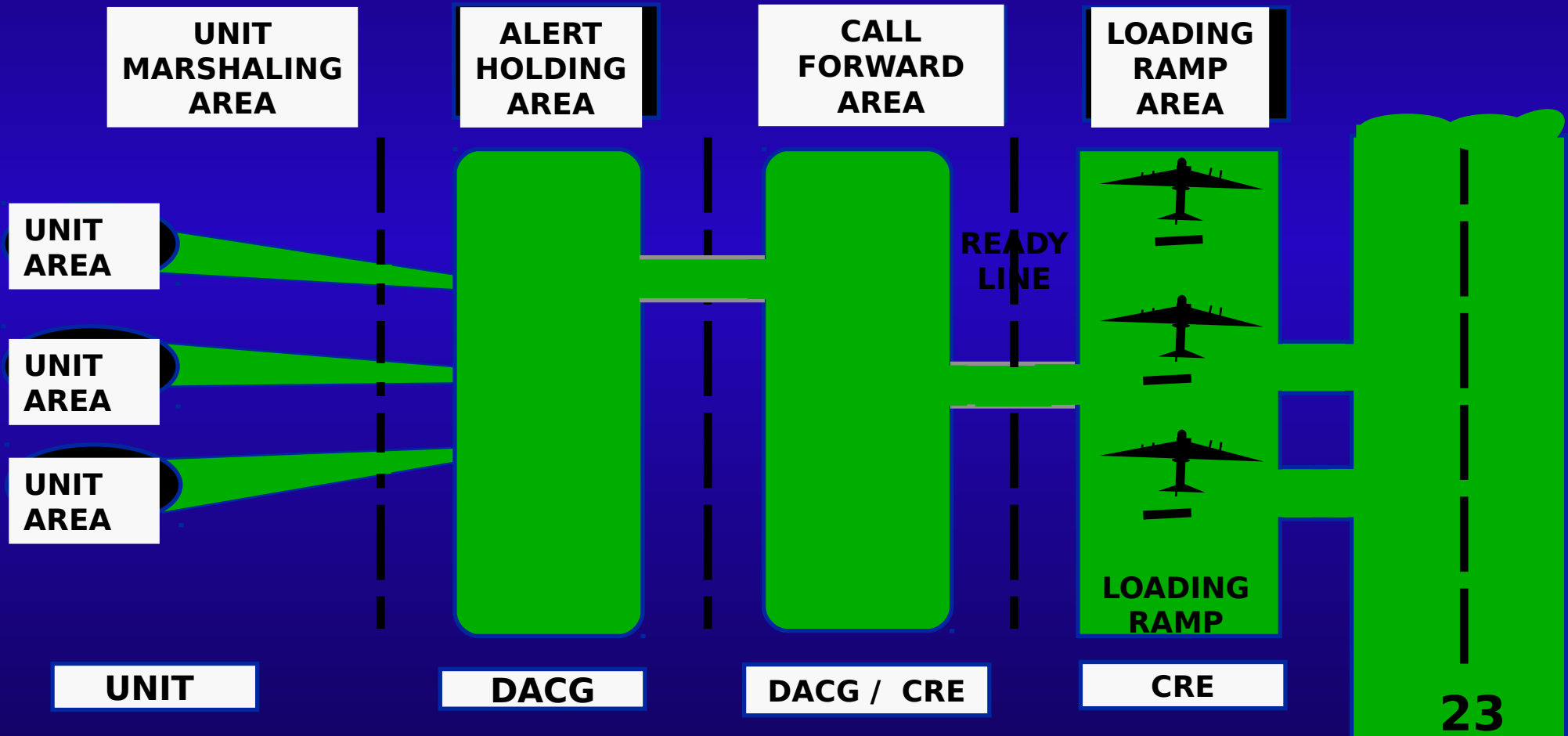
Ready Line / Loading Ramp Responsibilities (Cont)

- **CRE responsibilities**:
  - Establish aircraft parking plan
  - Accept chalks from DACG & load aircraft
  - Ensure each chalk is positioned to its aircraft
  - Ensure all drivers briefed on flight line safety
  - Maintain liaison with aircrew and DACG
  - Maintain communications with unit & DACG

Ready Line / Loading Ramp Responsibilities (Cont)

- **CRE responsibilities** (Cont):

  - Coordinate with aircraft loadmasters & ensure that loads are placed aboard the aircraft in time to meet the scheduled departure
  - & operate MHE, if required
  - Escort passengers to aircraft
  - Provide loadmaster with required copies of passenger/cargo manifests

APOE Control Diagram

UNIT MARSHALING AREA	ALERT HOLDING AREA	CALL FORWARD AREA	LOADING RAMP AREA	
UNIT AREA				
UNIT AREA			READY LINE	
UNIT AREA			LOADING RAMP	
UNIT	DACG	DACG / CRE	CRE	23

Aerial Port of Debarkation Operations

Arrival Airfield Control Group AACG

- Performs similar functions to DACG, except it is primarily concerned with offloading operations

- Prepositioned

APOD Operations -- Key Organizations and Activities
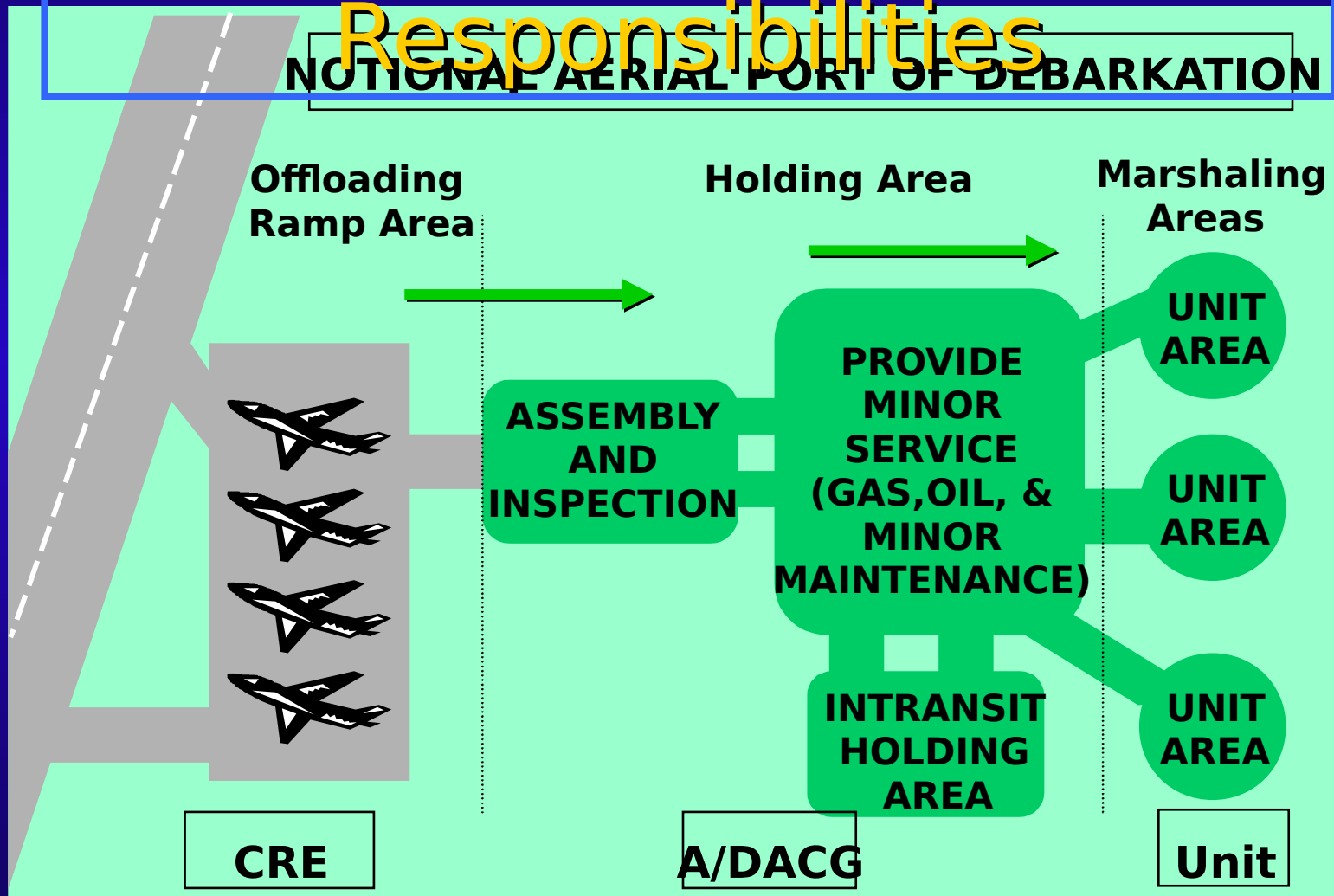
- Arriving unit interfaces with and is supported

  USAF Aerial Port Squadrons (APS) or Contingen
  Response Elements (CRE)

  Arrival/Departure Airfield Control Group (A/DAC

  Movement Control (Movement Control Agency
  Port Movement Control Team)

  Designated support organizations from receivi
  command and host nation support

APOD Operations -- Airfield Functions and Responsibilities

NOTIONAL AERIAL PORT OF DEBARKATION

Offloading Ramp Area

Holding Area

Marshaling Areas

ASSEMBLY AND INSPECTION

PROVIDE MINOR SERVICE (GAS, OIL, & MINOR MAINTENANCE)

INTRANSIT HOLDING AREA

UNIT AREA

UNIT AREA

UNIT AREA

CRE

A/DACG

Unit

APOD Operations --
Offload **Ramp** Area

- **CRE** operations and responsibilities

  CRE operates the airfield

  CRE is responsible for ramp operations and aircraft parking

  Supervises off-load operations

  Provide offload equipment (e.g. MHE) as required

  Releases aircraft loads to A/DACG control

APOD Operations – Offload **Ramp** Area (Cont)

- **A/DACG** operations and responsibilities
  - Maintains coordination with CRE & arriving unit
  - Provides offload teams & support equipment (as required)
  - Accepts aircraft loads from CRE at agreed location
  - Coordinates with CRE for return of unit's shoring and dunnage

APOD Operations -- Offload **Ramp** Area (Cont)

- **Arriving Unit** responsibilities

  Assist, as required, in unlashing and offloadin[g] equipment from aircraft

  Retain shoring and dunnage for redeploymen[t]

  Provide A/DACG copy of pax and cargo manif[est]

APOD Operations -- **Holding** Area

- **A/DACG** operations and responsibilities

  A/DACG controls holding area

  Coordinates with CRE & arriving unit

  Releases aircraft load to arriving unit

  Coordinates move of unit pallets to unit marshaling areas

  May provide minor services (fuel, maintenan for arriving unit vehicles

APOD Operations -- **<u>Holding</u>** Area (Cont)

- **<u>Arriving Unit</u>** activities

  Provides a liaison to A/DACG to facilitate processing of arriving unit plane loads

  Assists A/DACG as required

  Drives unit vehicles from holding area to unit marshaling area

  Coordinates with movement control teams th may be operating in port area

APOD Operations
-- **Unit Marshaling** Area

- **Arriving Unit** activities

  Install equipment that was removed for strategic deployment

  Perform maintenance checks and refueling

  Prepare and organize for movement (convoy, rail, airlift, inland water)

APOD Operations -- Unit Marshaling Area (Cont)

- **Area Support Group** (ASG) or other designated organization
  - May provide life support / services for deploying units
- **Movement Control Teams** (MCTs)
  - Port & Area MCTs operate in APOD ops area
  - Assist units in onward movement
 - Coordinate & task for transportation assets required by deploying unit

APOD Operations -- **UMO** Considerations & Duties

- Develop unit plan for departing marshaling are based on higher hq's, ASCC & theater RSO&I p

  Unit may move equipment to railhead for onward movement to destination. Vehicles may convoy and soldiers move by bus

- UMO coordinates move with MCT or other supporting movement organization

- UMO coordinates with ASG or other support un operating railheads, bus transport, etc.

APOD Operations -- UMO Considerations/Duties (Cont)

- **Bottom line**: UMO performs tasks & coordina
  to move unit our of port area. May include:
  Preparing for convoy move (convoy
  requests) Organizing unit for rail (load teams, vehicle
  reconfiguration) bus, or other modes

- Key consideration: Split UMO operations

  UMO arrives early to coordinate theater
  movements, alternate UMO supports
  APOE
  departure and arrives later in flow

Summary
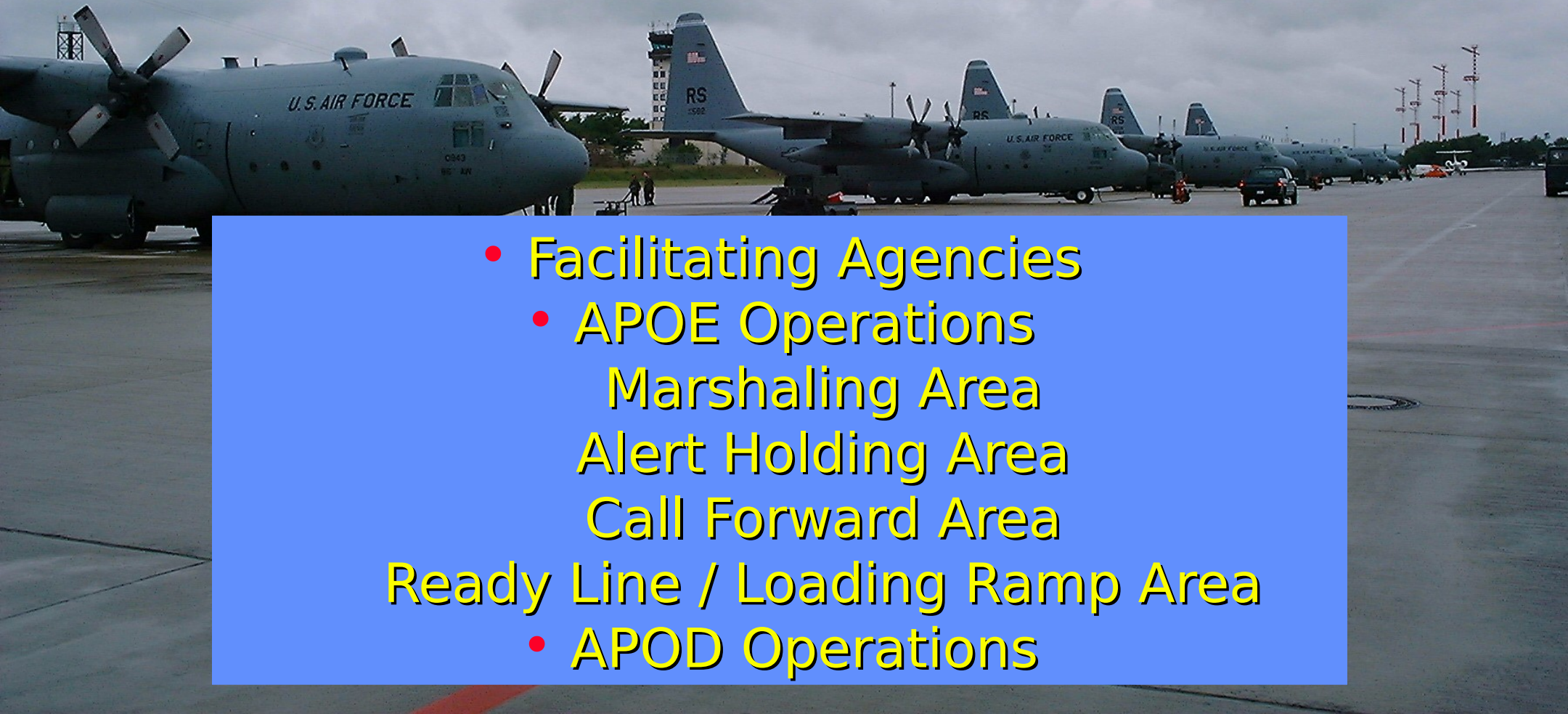
- Facilitating Agencies
- APOE Operations

Marshaling Area

Alert Holding Area

Call Forward Area

Ready Line / Loading Ramp Area

- APOD Operations

Questions?

On Learning

On Learning

QUESTION 1: What APOE area is used by the deploying unit to make final equipment preparations?

Answer 1: Unit Marshaling Area

On Learning

QUESTION 2: What APOE area is used for transferring control of unit aircraft loads to the DACG?

Answer 2: The Alert Holding Area

On Learning

QUESTION 3: What APOE area is used for the joint inspection of deploying unit equipment?

Answer 3: The Call Forward Area.

On Learning

QUESTION 4: What organization at the APOE ensures that aircraft passengers are properly briefed on aircraft safety, and delivers the passengers to the aircraft?

Answer 4: The CRE briefs passengers and escorts them to the aircraft.